INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010193

a. classification of subject matter IPC 7 F28D1/04 F28F9/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 F28D F28F Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category Relevant to claim No. X US 5 996 684 A (WHITE IAN ET AL) 1-4,7,7 December 1999 (1999-12-07) 9-11 column 5, line 9 - column 7, line 20; figures 1-4,7, FR 2 822 941 A (VALEO THERMIQUE MOTEUR) X 4 October 2002 (2002-10-04) 9-11 page 6, line 1 - page 9, line 29; figures US 6 273 182 B1 (PAUTLER DONALD ROBERT ET X 1,2,4, AL) 14 August 2001 (2001-08-14) 9-11 column 3, line 17 - column 4, line 25; figures US 5 139 080 A (BOLTON JAMES D ET AL) X 1,2,4, 18 August 1992 (1992-08-18) 9-11 claim 3; figures Further documents are listed in the continuation of box C. Patent family members are listed in annex. Х Special categories of cited documents: *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance invention *E* earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. document referring to an oral disclosure, use, exhibition or other means in the art. document published prior to the International filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the International search report 4 January 2005 12/01/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Mootz, F Fax (+31-70) 340-3016

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